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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(s): MASSARA et al.

SERIAL NO.: 10/644,283

ART UNIT: 2828

FILING DATE: 8/20/03

EXAMINER:

TITLE: SINGLE MODE DISTRIBUTED FEEDBACK LASERS

ATTORNEY

DOCKET NO.: 871-011441-US (PAR) / 30020469 US-02

Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
(37 C.F.R. §1.97(b)(3))

Sir:

This information disclosure statement is being filed before the mailing of a first Office Action on the merits.

The following information is being disclosed to the Patent and Trademark Office as information that may be material to the examination of the above-identified patent application. Applicants' Attorney is aware of the following references:

"New  $\lambda/4$  Phase-Shift Method By Conversion Of Refractive Index Difference And Application For 1-5 $\mu$ m GaInAsP/InP DFB Laser"  
(pp. 1654-1655)

"Continuously Distributed Phase Shifts In Chirped DFB Lasers Using Bent Waveguides" (pp. 1483-1484)

"Active Distributed Reflector Lasers Phase Adjusted By Groove  
Region" (pp. 791-794)

"Arbitrary Phase Shift By Selective MOVPE Growth And Its  
Application to  $1.5\mu\text{m}\lambda/4$  Phase-Shifted InGaAs/InGaAsP MQW-DFB-LDs"  
(pp.2130-2131)

"Stability In Single Longitudinal Mode Operation In GaInAsP/InP  
Phase-Adjusted DFB Lasers" (pp.804-814)

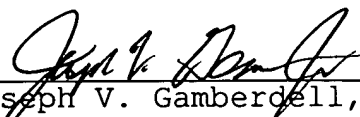
"1-5 $\mu\text{m}$  Phase-Shifted DFB Lasers For Single-Mode Operation"  
(pp. 82-84)

Copies of these references are enclosed together with a Form PTO-1449.

The filing of this Statement is not to be construed as a representation that a search has been made regarding the claimed invention (37 C.F.R. §1.97(g)) or that no other possible material information exists. In addition, the filing of this Information Disclosure Statement is not to be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability (37 C.F.R. §1.97(h)).

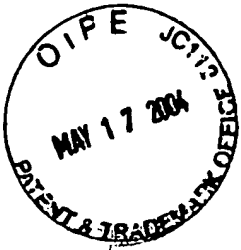
The Commissioner is hereby authorized to charge payment for any fees associated with this communication or credit any over payment to Deposit Account No. 16-1350.

Respectfully submitted,

  
\_\_\_\_\_  
Joseph V. Gamberdell, Jr.  
Reg. No. 44,695

*14 May 2004*  
\_\_\_\_\_  
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**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date indicated below as first class mail in an envelope address to the Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: 5/14/04

Signature: Shannon Watt  
Shannon Watt

<b>INFORMATION DISCLOSURE</b> <b>CITATION FORM FOR</b> <b>PATENT APPLICATION</b> <b>(FORM PTO-1449)</b> (Substitute)			Docket No.: 871-011441-US(PAR) 30020469 US-02 Applicant(s): MASSARA et al. Filing Date: 8/20/03			Serial No.: 10/644,283 Group: 2828		
<b>U.S. PATENTS</b>								
Initials	Patent Number	Issue Date	Name	Class	Sub-class	Filing date		
<b>U.S. PATENT PUBLICATIONS</b>								
Initials	Publication No.	Pub. Date	Name	Class	Sub-class	Filing Date		
<b>FOREIGN PATENT DOCUMENTS</b>								
Initials	Document Number	Date	Country	Name	Translation? Yes/No/n/a			
<b>OTHER DOCUMENTS (Title, Author, Date, Pages, Etc., if known)</b>								
J.I. Shim et al., "New $\lambda/4$ Phase-Shift Method By Conversion Of Refractive Index Difference And Application For 1-5 $\mu\text{m}$ GaInAsP/InP DFB Laser", Electronic Letters, vol. 25, no. 24, (1989) pp. 1654-1655.								
H. Hillmer et al., "Continuously Distributed Phase Shifts In Chirped DFB Lasers Using Bent Waveguides", Electronic Letters, vol. 30, no. 18, (1994), pp. 1483-1484.								
S. Koentjoro et al., "Active Distributed Reflector Lasers Phase Adjusted By Groove Region", Japense Journal of Applied Physics, vol. 23, no. 10, (1984), pp. 791-794.								
J.I. Shim et al., "Arbitrary Phase Shift By Selective MOVPE Growth And Its Application to 1.5 $\mu\text{m}$ $\lambda/4$ Phase-Shifted InGaAs/InGaAsP MQW-DFB-LDs", electronic Letters, vol. 30, no. 25, (1994), (pp. 2130-2131.								
H. Soda et al., "Stability In Single Longitudinal Mode Operation In GaInAsP/InP Phase-Adjusted DFB Lasers", IEEE Journal of Quantum Electronics, vol. QE-23, no. 6, (1987), pp. 804-814.								
K. Sekartedjo, "1-5 $\mu\text{m}$ Phase-Shifted DFB Lasers For Single-Mode Operation", electronic Letters, vol. 20, (1984), pp. 82-84.								
Examiner's Signature:				Date Considered:				
Initial if reference was considered, whether or not citation is in conformance with MPEP. Mark through citation if not considered. Include a copy of this citation form with your next correspondence to the Applicant(s).								

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